

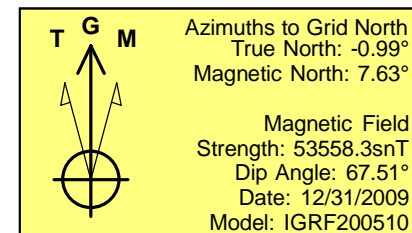
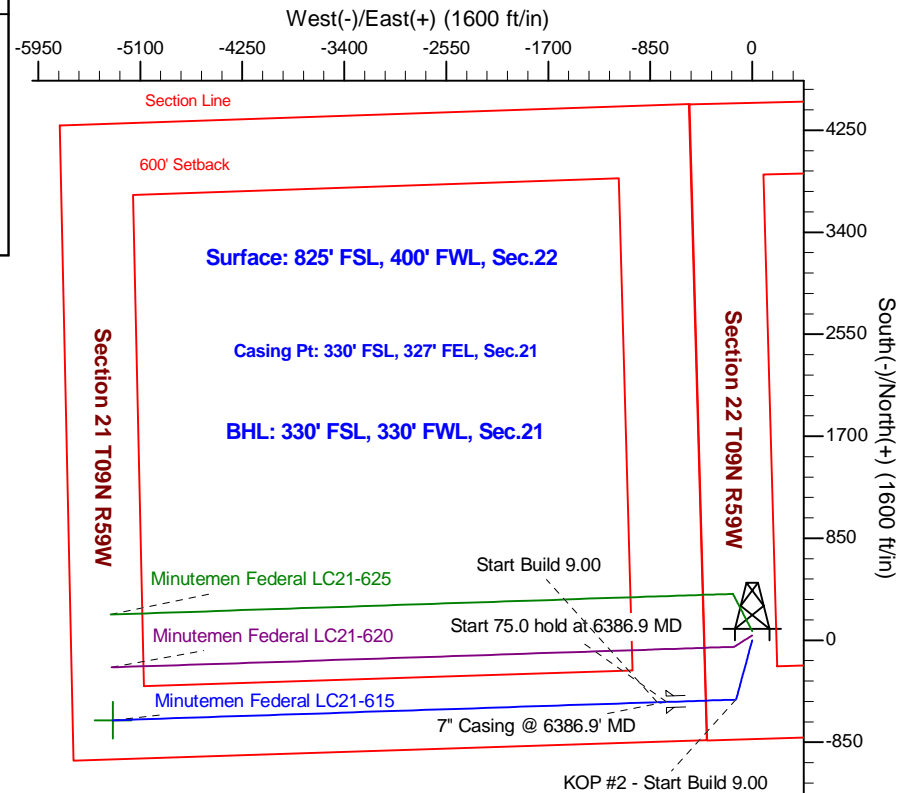
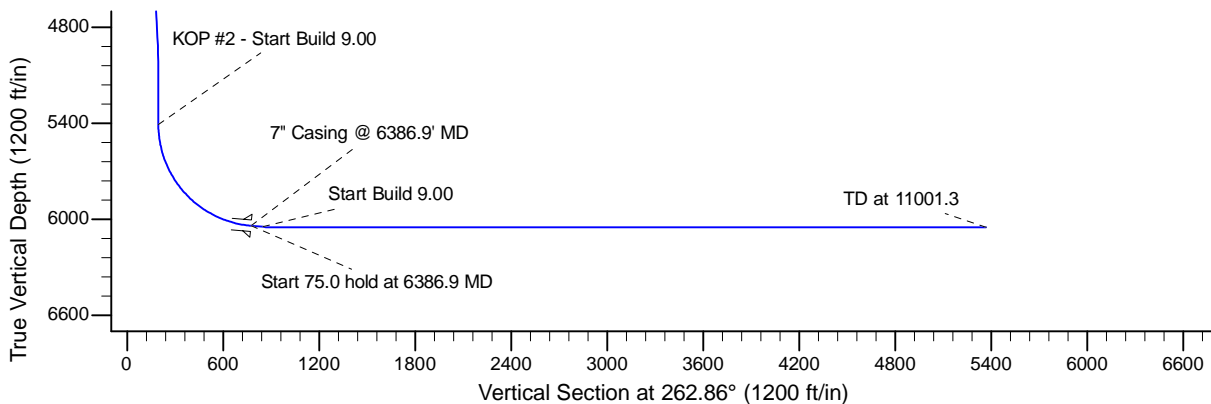
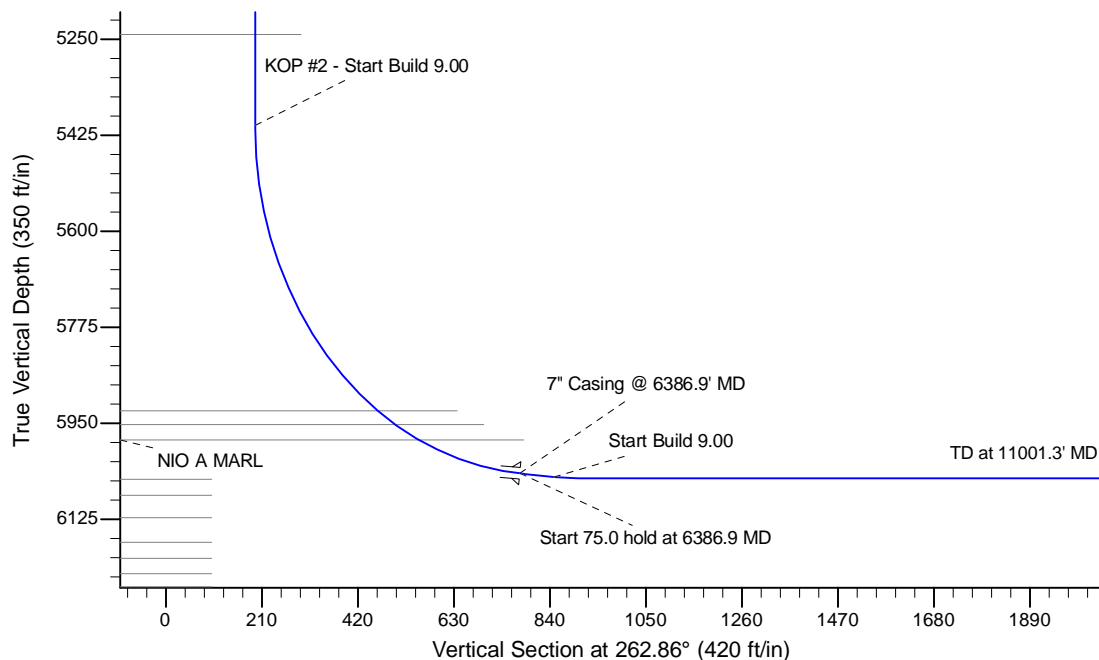
Project: Wattenberg Field
Site: LC (Sec.12-T09N-R59W) Weld County, CO
Well: Minutemen Federal LC21-615
Wellbore: Original Drilling
Design: APD - Rev 2

Northern Region Drilling - Working

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
3	1612.7	8.25	195.26	1611.3	-28.6	-7.8	2.00	195.26	11.3	
4	4772.9	8.25	195.26	4738.7	-466.4	-127.2	0.00	0.00	184.1	
5	5185.6	0.00	0.00	5150.0	-495.0	-135.0	2.00	180.00	195.4	
6	5442.4	0.00	0.00	5406.8	-495.0	-135.0	0.00	0.00	195.4	
7	6386.9	85.00	268.10	6041.0	-514.2	-715.8	9.00	268.10	774.2	
8	6461.9	85.00	268.10	6047.6	-516.7	-790.5	0.00	0.00	848.6	
9	6517.4	90.00	268.10	6050.0	-518.5	-845.9	9.00	0.00	903.8	
10	11001.3	90.00	268.10	6050.0	-666.9	-5327.4	0.00	0.00	5369.0	Minutemen Federal LC21-615 BHL 330'FSL, 330'FWL



WELL DETAILS: Minutemen Federal LC21-615

Ground Level: 4877.0			
0.0	0.0	Northing	Eastings
1512843.42	3423453.07	Latitude	Longitude
40.731130	-103.972040		

Plan: APD - Rev 2 (Minutemen Federal LC21-615/Original Drilling)

Created By: Shailey Jewell Date: 10:58, August 21 2015

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____